

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 62253747
PUBLICATION DATE : 05-11-87

APPLICATION DATE : 19-03-87
APPLICATION NUMBER : 62065207

APPLICANT : HITACHI METALS LTD;

INVENTOR : MATSUNO SHIGEHIRO;

INT.CL. : C22C 32/00 // B22D 13/02 B22D 19/14 C22C 1/10 C22C 19/07

TITLE : COMPOSITE LINING MATERIAL FOR CYLINDER

ABSTRACT : PURPOSE: To improve the corrosion and wear resistances by dispersing a prescribed percentage of NbC grains in a Co alloy matrix contg. prescribed percentages of Cr, B, Si and Mn.

CONSTITUTION: An alloy consisting of, by weight, 5~10% Cr, 2.5~4% B, 0.2~2% Si, 0.2~2% Mn and the balance Co is refined and 10~30% NbC grains as a wear resistant reinforcing material are dispersed in a matrix of the Co alloy having corrosion resistance. The resulting composite lining material for a cylinder has superior wear resistance as well as superior corrosion resistance.

COPYRIGHT: (C)1987,JPO&Japio